Title: GPS RECEIVER SYSTEM AND METHOD Application No.: 09/975,124 Atty. Docket No.: UTL 00036 Filing Date: October 9, 2001 Inventor: FORRESTER, Timothy 1/8 10 20-**Dual Band** 66 **GPS Control** VCO Signal Generator Band Select RF Out _15 **GPS** Antenna 22. 34 17 38 **~** 42 21 46 54 64 50. 19 From **PCS**

Fig. 1

62

Duplexer

Title: GPS RECEIVER SYSTEM AND METHOD Application No.: 09/975,124 Atty. Docket No.: UTL 00036 Filing Date: October 9, 2001 Inventor: FORRESTER, Timothy 2/8 **Dual Band** 28 **GPS Control** VCO Signal Generator Band Select RF Out 26 53 **GPS** Antenna 32. Divide by 2 30 35 24 87 75 89 83 43 51 70 From 45 PCS Duplexer 79

Fig. 2

47

Application No.: 09/975,124
Filing Date: October 9, 2001

Atty. Docket No.: UTL 00036 Inventor: FORRESTER, Timothy

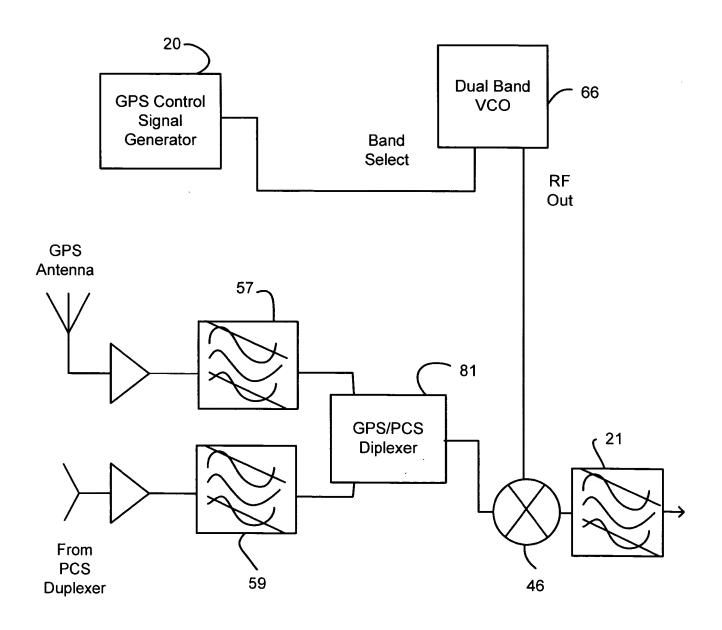


Fig. 3

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Filing Date: October 9, 2001

Atty. Docket No.: UTL 00036 Inventor: FORRESTER, Timothy

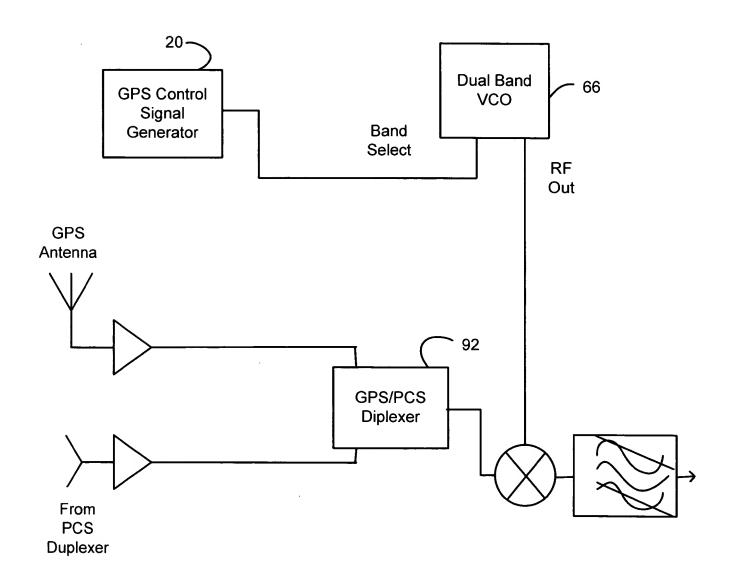


Fig. 4

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Atty. Docket No.: UTL 00036 Inventor: FORRESTER, Timothy

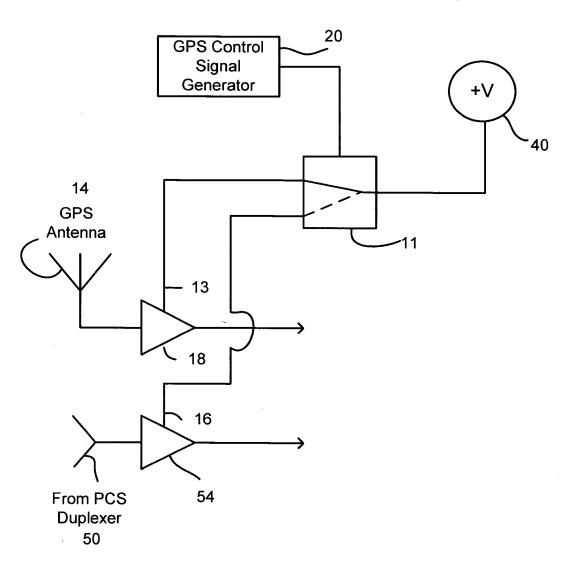


Fig. 5a

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Atty. Docket No.: UTL 00036 Inventor: FORRESTER, Timothy

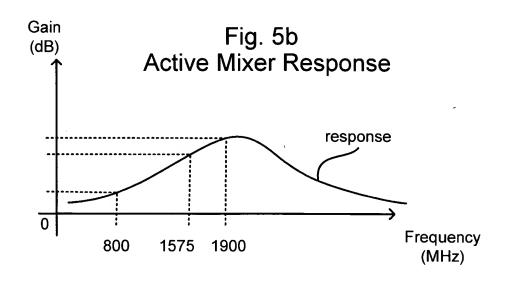
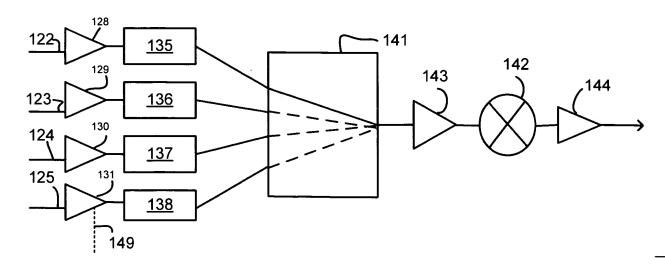


Fig. 5c
Passive Mixer Response

Frequency

Fig. 5d
Passive Mixer Configuration



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First GPS Signal Mixing Procedure

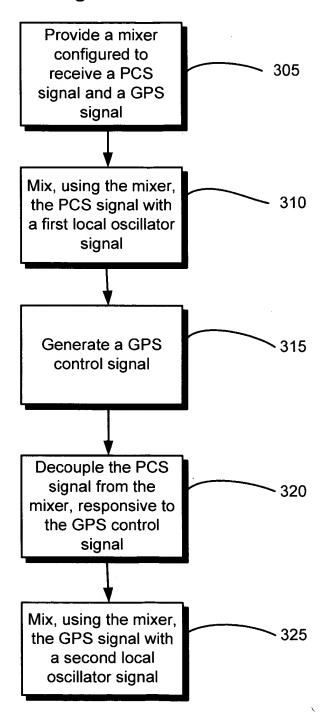
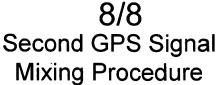


Fig. 6

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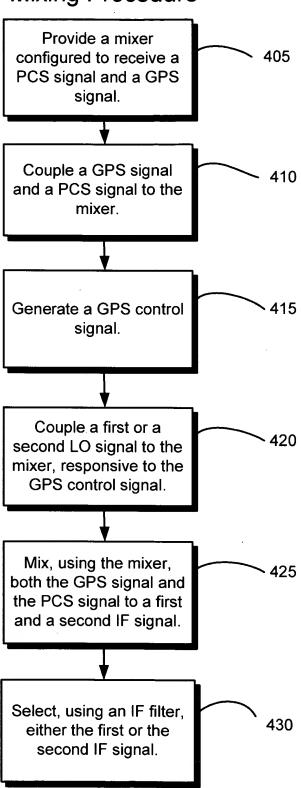


Fig. 7